



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/029,345
Source: OIPE
Date Processed by STIC: 1/15/2002

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
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2011 South Clark Place, Arlington, VA 22202
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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002
 TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt
 Output Set: N:\CRF3\01152002\J029345.raw

3 <110> APPLICANT: Bristol-Myers Squibb Company
 5 <120> TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL HUMAN PHOSPHATASES
 7 <130> FILE REFERENCE: D0072.NP
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/029,345
 C--> 9 <141> CURRENT FILING DATE: 2001-12-20
 9 <150> PRIOR APPLICATION NUMBER: US 60/256,868
 10 <151> PRIOR FILING DATE: 2000-12-20
 12 <150> PRIOR APPLICATION NUMBER: US 60/280,186
 13 <151> PRIOR FILING DATE: 2001-03-30
 15 <150> PRIOR APPLICATION NUMBER: US 60/287,735
 16 <151> PRIOR FILING DATE: 2001-05-01
 18 <150> PRIOR APPLICATION NUMBER: US 60/295,848
 19 <151> PRIOR FILING DATE: 2001-06-05
 21 <150> PRIOR APPLICATION NUMBER: US 60/300,465
 22 <151> PRIOR FILING DATE: 2001-06-25
 24 <160> NUMBER OF SEQ ID NOS: 208
 26 <170> SOFTWARE: PatentIn version 3.0
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 29 <211> LENGTH: 144
 30 <212> TYPE: DNA
 31 <213> ORGANISM: HOMO SAPIENS
 33 <400> SEQUENCE: 1
 34 ctatgttact tctacaattt cgatggaaag gattatggtg tagcgtctct tactactatc 60
 36 ctagatatgg tgaagggtat gacatttgcc ttacaggaag gaaaagtgc tatccattgt 120
 38 catgcagggc ttggtcgaac aggt 144
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 48
 43 <212> TYPE: PRT
 44 <213> ORGANISM: HOMO SAPIENS
 46 <400> SEQUENCE: 2
 48 Leu Val Tyr Phe Tyr Asn Phe Gly Trp Lys Asp Tyr Gly Val Ala Ser 15
 49 1 5 10 15
 51 Leu Thr Thr Ile Leu Asp Met Val Lys Val Met Thr Phe Ala Leu Gln
 52 20 25 30
 54 Glu Gly Lys Val Ala Ile His Cys His Ala Gly Leu Gly Arg Thr Gly
 55 35 40 45
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 33
 59 <212> TYPE: DNA
 60 <213> ORGANISM: HOMO SAPIENS
 62 <400> SEQUENCE: 3
 63 gatgtttctt gggcccttct gtgaaacaca gtt 33
 66 <210> SEQ ID NO: 4
 67 <211> LENGTH: 11
 68 <212> TYPE: PRT
 69 <213> ORGANISM: HOMO SAPIENS
 71 <400> SEQUENCE: 4

Does Not Comply
 Corrected Diskette Needed

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Input Set : A:\D0072.NP.ST25.txt
Output Set: N:\CRF3\01152002\J029345.raw

73 Asp Val Phe Trp Ala Leu Leu Trp Asn Thr Val
74 1 5 10
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 746
78 <212> TYPE: DNA
79 <213> ORGANISM: HOMO SAPIENS
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82 gtggcccgag aggccgagg tgcgttggc gtcggcccc ccaacttctc 120
84 ctgggtgctt ccggggccgc tggcggact ggcgtgccg cggtccccc cccactacca 180
86 gttcctgttg gacctggcg tgcggcacct ggtgtccctg acggagcgcg ggccccctca 240
88 cagcgacagc tgcccgcc tcaccctgca ccgcctgcgc atccccact tctgccccgc 300
90 ggcggccgac cagatcgacc gcttcgtgca gatcgtggac gaggccaacg cacggggaga 360
92 ggttgtggga qtgcactgtg ctctgggctt tqgcccact gycaccatgc tggctgtta 420
94 cctgttgaag gagcggggct tggctgcagg agatgccatt gtcgaaatcc gacgactacy 480
96 acccgccccc atcgagacct atgagcagga gaaagcagtc ttccagttt accagcgaac 540
98 gaaataaggg gccttagtac ccttctacca ggcctcaact cccctccccc atgttgtcga 600
100 tggggccaga gatgaaggga agtggactaa agtattaaac cctctagetc ccattggctg 660
102 aagacactga agtagccac ccctgcaggc aggttctgtat tgaaggggag gcttgtactg 720
104 ctttgttcaa taaatgagtt ttacgaacca gggaaaaaaaaaaaaaaa aaagaaaaaaaa 746
106 aaaaaaaaaa aaaaaaaaaa aaagaa
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 248
111 <212> TYPE: PRT
112 <213> ORGANISM: HOMO SAPIENS
114 <220> FEATURE:
115 <221> NAME/KEY: VARIANT *(160)..(162) ..(162) ..(162)* , see next page
116 <222> LOCATION: *(160)..(160)*
117 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
120 <220> FEATURE:
121 <221> NAME/KEY: VARIANT
122 <222> LOCATION: (200)..(200)
123 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
126 <220> FEATURE:
127 <221> NAME/KEY: VARIANT *(202)..(202) ..(203) ..(203)*
128 <222> LOCATION: *(202)..(202)*
129 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
132 <220> FEATURE:
133 <221> NAME/KEY: VARIANT
134 <222> LOCATION: (214)..(214)
135 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
138 <220> FEATURE:
139 <221> NAME/KEY: VARIANT *(223)..(223) ..(224) ..(224)*
140 <222> LOCATION: *(223)..(223)*
141 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
144 <400> SEQUENCE: 6
146 Trp Pro Gly Arg Arg Arg Gly Gln Val Gly Ala Met Gly Val Gln Pro 15
147 1 5 10 15
149 Pro Asn Phe Ser Trp Val Leu Pro Gly Arg Leu Ala Gly Leu Ala Leu 30
150 20 25

RAW SEQUENCE LISTING
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Input Set : A:\D0072.NP.ST25.txt
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152 Pro Arg Leu Pro Ala His Tyr Gln Phe Leu Leu Asp Leu Gly Val Arg
 153 35 40 45
 155 His Leu Val Ser Leu Thr Glu Arg Gly Pro Pro His Ser Asp Ser Cys
 156 50 55 60
 158 Pro Gly Leu Thr Leu His Arg Leu Arg Ile Pro Asp Phe Cys Pro Pro
 159 65 70 75 80
 161 Ala Pro Asp Gln Ile Asp Arg Phe Val Gln Ile Val Asp Glu Ala Asn
 162 85 90 95
 164 Ala Arg Gly Glu Ala Val Gly Val His Cys Ala Leu Gly Phe Gly Arg
 165 100 105 110
 167 Thr Gly Thr Met Leu Ala Cys Tyr Leu Val Lys Glu Arg Gly Leu Ala
 168 115 120 125
 170 Ala Gly Asp Ala Ile Ala Glu Ile Arg Arg Leu Arg Pro Gly Pro Ile
 171 130 135 140
 173 Glu Thr Tyr Glu Gln Glu Lys Ala Val Phe Gln Phe Tyr Gln Arg Thr
 174 145 150 155 160
 W--> 176 Lys Xaa Gly Ala Leu Val Pro Phe Tyr Gln Ala Leu Thr Pro Leu Pro
 177 165 170 175
 179 His Val Val Asp Gly Ala Arg Asp Glu Gly Lys Trp Thr Lys Val Leu
 180 180 185 190
 W--> 182 Asn Pro Leu Ala Pro Ile Gly Xaa Arg His Xaa Ser Ser Pro Pro Leu
 183 195 200 205
 W--> 185 Gln Ala Gly Pro Asp Xaa Arg Gly Gly Leu Tyr Cys Phe Val Glu Xaa
 186 210 215 220
 188 Met Ser Phe Thr Asn Gln Gly Lys Lys Lys Lys Lys Arg Lys Lys
 189 225 230 235 240
 191 Lys Lys Lys Lys Lys Lys Arg
 192 245
 194 <210> SEQ ID NO: 7
 195 <211> LENGTH: 511
 196 <212> TYPE: DNA
 197 <213> ORGANISM: HOMO SAPIENS
 199 <400> SEQUENCE: 7
 200 atggctagaa tgaacctccc tgcttctgtg gacattgcac aaaaaatgt gagatttctt 60
 202 attacacaca acccaaccaa tacctacttt aatagattct tacaggaact taagcaggat 120
 204 ggagttacca ccatagtaag agtatgaaaaa gcaacttaca acattgcctt ttttagagaag 180
 206 ggaagcatcc aggttccgga ctggcctttt gatgatggta cagcaccatc cagccagata 240
 208 attgataact ggttaaaaact tatgaaaaat aaatttcattg aagatcctgg ttgttgtatt 300
 210 gcaattcaact gtgttgtagg ttttgggtga gctccagttg ctagttgcc tagctttaat 360
 212 tgaagggtgga atgaaatatg aaaatgttagt acagttcattc agataaaaatg gacatggAAC 420
 214 ttttaacacg aaacaacttt tttatggaa gaaatattgt cttaaaatat gcttgcaccc 480
 216 cagaaatccc agaaataact gtttccttca g 511
 219 <210> SEQ ID NO: 8
 220 <211> LENGTH: 170
 221 <212> TYPE: PRT
 222 <213> ORGANISM: HOMO SAPIENS
 224 <220> FEATURE:
 225 <221> NAME/KEY: Variant
 226 <222> LOCATION: (49)...(49)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002
TIME: 08:07:08

Input Set : A:\D0072.NP.ST25.txt
Output Set: N:\CRF3\01152002\J029345.raw

227 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
 230 <220> FEATURE:
 231 <221> NAME/KEY: Variant
 232 <222> LOCATION: (110)..(110)
 233 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
 236 <220> FEATURE:
 237 <221> NAME/KEY: Variant
 238 <222> LOCATION: (121)..(121)
 239 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
 242 <220> FEATURE:
 243 <221> NAME/KEY: Variant
 244 <222> LOCATION: (127)..(127)
 245 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
 248 <220> FEATURE:
 249 <221> NAME/KEY: Variant
 250 <222> LOCATION: (154)..(154) (155)..(155) ← *what about Xaa at location 142?*
 251 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.
 254 <400> SEQUENCE: 8
 255 Met Ala Arg Met Asn Leu Pro Ala Ser Val Asp Ile Ala Tyr Lys Asn
 256 1 5 10 15
 257 Val Arg Phe Leu Ile Thr His Asn Pro Thr Asn Thr Tyr Phe Asn Arg
 258 20 25 30
 260 Phe Leu Gln Glu Leu Lys Gln Asp Gly Val Thr Thr Ile Val Arg Val
 261 35 40 45
 263 Xaa Lys Ala Thr Tyr Asn Ile Ala Leu Leu Glu Lys Gly Ser Ile Gln → *what about Xaa at location 166?*
 264 50 55 60
 265 Val Pro Asp Trp Pro Phe Asp Asp Gly Thr Ala Pro Ser Ser Gln Ile
 266 65 70 75 80
 267 Ile Asp Asn Trp Leu Lys Leu Met Lys Asn Lys Phe His Glu Asp Pro
 268 85 90 95
 269 Gly Cys Cys Ile Ala Ile His Cys Val Val Gly Phe Gly Xaa Ala Pro
 270 100 105 110
 271 Val Ala Ser Cys Pro Ser Phe Asn Xaa Arg Trp Asn Glu Ile Xaa Lys
 272 115 120 125
 273 Cys Ser Thr Val His Gln Ile Lys Val Thr Trp Asn Phe Xaa Gln Gln
 274 130 135 140
 275 Thr Thr Phe Val Phe Gly Glu Ile Leu Ser Xaa Asn Met Leu Ala Pro
 276 145 150 155 160
 277 Gln Lys Ser Gln Lys Xaa Leu Phe Pro Ser
 278 165 170
 279 <210> SEQ ID NO: 9
 280 <211> LENGTH: 1710
 281 <212> TYPE: DNA
 282 <213> ORGANISM: HOMO SAPIENS
 283 <400> SEQUENCE: 9
 284 ctcaggcaga actatgaggc caagagtgt catgcgcacc aggctttctt tttgaaattc 60
 285 gagggactga aggaggttag caaggagcag cccagactgg aggctgagta ccctgcac 120
 286 accaccaaga actgttaacc acatgtgcta ccctatgacc actccagggt caggctgacc 180
 287 caqctqqagg gagagcctca ttctgactac atcaatgcca acttggtccc aggctacacc 240
 288 301

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Output Set: N:\CRF3\01152002\J029345.raw

303	cgtccccacagg	agttcattgc	ctctcagggg	cctctcaaga	aaacactqga	gaacttctgg	300
305	cgttgttgc	gggagcagca	gttccgcata	atcatcatgc	cgaccatcag	catggagaac	360
307	gggagggtgc	tgttgagca	ttactggctg	accgactcta	ccccggacac	ccatggtcac	420
309	ataccatcc	acctcttagc	tgaggagctt	gaggatgagt	gacccaacg	ggaattccag	480
311	ctgtcagcacg	ttgtccagca	acatcaacgg	agggtggagc	aactgcattt	caccacctga	540
313	tcggaccaca	gcatccttga	ggctcccage	tccctgctcg	cctttatgga	gctggtagac	600
315	tagraggcaa	gggcacccca	gggcgtggga	ccatcctgg	tgcactqca	gggctgtccc	660
317	tgcgggtgtgg	gcatggggccg	gacaggcacc	ttcgccccc	tgtcgaggct	gctgcagcag	720
319	ctggaggagg	agcagatggt	agacgtgttc	catgtgtgt	atgcactccg	gatgcaccag	780
321	ccctcatgta	tccagaccct	gagccagttac	gtcttccgc	acagctgcct	actgaacaag	840
323	attcttggaa	gacccttcaa	catctcttag	tcttggccca	tctctgtgac	ggacccccc	900
325	caggcgtgtg	ccaaqagggc	agccagtgcc	aatgtggct	tcttgaagga	gtacgaggcc	960
327	atcaaggacq	aggctggctt	ttccgcaccc	ccgcctggct	atgacqaggaa	cagccccgtc	1020
329	tcctatgacc	gttctcagggg	gcagttttct	ccgggtggagg	agagcccccc	tgacgacatg	1080
331	cctctcttgg	agccaaatgtat	ctgtgtctg	cagggtgggc	cctctggccg	tgatcatacg	1140
333	gtgctgactg	gccccgcagg	gccaaaggag	ctctggggc	tgggtggca	gcacagggtc	1200
335	catgtgtctg	tctcttttgc	cccacccaaat	gtcatggaga	aggaattctg	gccaacggag	1260
337	atgcagcccg	tagtacacaga	catggtgacg	tgcaactggg	tggctgagag	cagcacagca	1320
339	ggctggttct	gtacccttct	cagggtcaca	catggggaga	gcaggaagga	aaggagggtg	1380
341	cagagactgc	aatttccata	cctggagctt	ggcatgagc	tgcggccac	caccctgtcg	1440
343	cccttcctgg	ctgtgtgggg	ccagtgtgc	tctcggggca	acaacaagaa	gccgggcaca	1500
345	ctgctcagcc	actccaacaa	gggtgcaacc	cagctgggc	ccttcctggc	catggagcag	1560
347	ctgctgcagc	aggcagggtc	tgagtgcacc	gtggatatct	ttaacgtggc	cctgcagcag	1620
349	tctcaggcc	gtggcatttat	gaccccaaca	ctgaagcagt	atgtctacct	ctacaactgt	1680
351	ctgaacacgcg	cgctggcaga	cgggctgccc				1710

354 <210> SEQ ID NO: 10

355 <211> LENGTH: 570

356 <212> TYPE: PRT

357 <213> ORGANISM: HOMO SAPIENS

359 <220> FEATURE:

360 <221> NAME/KEY: Variant

361 <222> LOCATION: (46)..(46)

362 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.

365 <220> FEATURE:

366 <221> NAME/KEY: Variant

367 <222> LOCATION: (180)..(180)

368 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.

371 <220> FEATURE:

372 <221> NAME/KEY: Variant

373 <222> LOCATION: (201)..(201)

374 <223> OTHER INFORMATION: wherein 'Xaa' is any amino acid.

377 <400> SEQUENCE: 10

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380 1 5 10 15

382 Phe Leu Lys Phe Glu Glu Leu Lys Glu Val Ser Lys Glu Gln Pro Arg

383 20 25 30

385 Leu Glu Ala Glu Tyr Pro Ala Asn Thr Thr Lys Asn Cys Xaa Pro His

386 35 40 45

388 Val Leu Pro Tyr Asp His Ser Arg Val Arg Leu Thr Gln Leu Glu Gly



VERIFICATION SUMMARY
PATENT APPLICATION: US/10/029,345

DATE: 01/15/2002
TIME: 08:07:09

Input Set : A:\D0072.NP.ST25.txt
Output Set: N:\CRF3\01152002\J029345.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:3167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:3201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:3233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:3267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:6968 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:179
L:6980 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:180
L:6992 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:181
L:7004 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:182
L:7016 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:183
L:7292 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:193